IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

1.   (currently amended)A database management method for addressing to a commit request or a rollback request in a stored program written in an interpreted language, said method comprising the steps of:

reserving a resource, at execution of a query from the stored program ~~of the interpreted language~~ and registering information about said reserved resource in a resource managing table, said resource managing table ~~which is~~ corresponding to resources already reserved in execution of the query ~~processing in execution~~ having invoked the stored program;

referring, at release of a transaction from the stored program, to a release resource managing table and the resource managing table to determine a reserved resource which is registered in the resource managing table and which is not registered in the release resource managing table; and

releasing the reserved resource having been determined by said referring step.

2.   (currently amended)A database management method for use in a relational database system for addressing to a commit request or a rollback request in a stored JAVA program, said method comprising the steps of:

reserving a resource at execution of a query from the stored JAVA program and registering information about said reserved resource in a resource managing table, ~~which is~~ said resource managing table

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corresponding to resources already reserved in <u>execution of</u> the query

~~processing in execution~~ having invoked the <u>stored JAVA</u> program;

referring, at release of a transaction from the stored JAVA program, to

a release resource managing table and the resource managing table to

determine a reserved resource which is registered in the resource managing

table and which is not registered in the release resource managing table; and

releasing the reserved resource having been determined by said

referring step.

3.   (currently amended)A database management method for

addressing to a commit request or a rollback request in a stored JAVA

program, said method comprising the steps of:

analyzing a query request ~~inputted~~ input from a terminal thereto and

generating an execution module;

reserving, when the stored JAVA program which is not contained in the

execution module and which is beforehand stored in a database management

system (DBMS) is invoked at execution of the execution module, resources to

be used by the <u>stored JAVA</u> program, checking ~~unknown~~ resources to be

used by the stored JAVA program, determining resources to be set as

resources unavailable to another program until a transaction is completed and

resources to be set as unavailable resources until the <u>stored JAVA</u> program is

terminated and registering information about said reserved resource in a

resource managing table, which is corresponding to resources already

reserved in <u>execution of</u> the query ~~processing in execution~~ having invoked the

stored JAVA program;

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referring, in response to an input of a transaction completion request or issuance of a commit statement from the stored JAVA program, to a release resource managing table and a resource managing table to determine a reserved resource which is registered in the resource managing table and which is not registered in the release resource managing table as the resources set as unavailable resources until the transaction is completed; and

releasing the reserved resource having been determined by said referring step.

Claim 4 (canceled).

5.   (currently amended)A database management apparatus for addressing to a commit request or a rollback request in a stored program written in an interpreted language, comprising:

means for reserving a resource at execution of a query from a stored program of the interpreted language and registering information about said reserved resource in a resource managing table, said resource managing table which is-corresponding to resources already reserved in execution of the query processing in execution-having invoked the stored program,

means for referring, at release of a transaction from the stored program of the interpreted language, to a release resource managing table and the resource managing table to determine a reserved resource which is registered in the resource managing table and which is not registered in the release resource managing table; and

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means responsive to said reserving means for releasing the reserved resource having been determined by said referring step.

6.   (currently amended)A database management apparatus in a relational database system for addressing to a commit request or a rollback request in a stored JAVA program written in JAVA, comprising:

means for reserving a resource at execution of a query from a stored JAVA program and registering information about said reserved resource in a resource managing table, said resource managing table which is corresponding to resources already reserved in execution of the query processing in execution having invoked the stored JAVA program;

means for referring, at release of a transaction from the stored JAVA program, to a release resource managing table and the resource managing table to determine a reserved resource which is registered in the resource managing table and which is not registered in the release resource managing table; and

means responsive to said reserving means for releasing the reserved resource having been determined by said referring step.

7.   (currently amended)A database management apparatus for addressing to a commit request or a rollback request in a stored JAVA program, said database management apparatus comprising:

means for analyzing a query request inputted input from a terminal thereto and generating an execution module;

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means for reserving, when a stored JAVA program which is not contained in said execution module and which is beforehand stored in a database management system (DBMS) is invoked at execution of said execution module, resources to be used by the stored JAVA program, checking ~~unknown~~ resources to be used by the stored JAVA program, determining resources to be set as resources unavailable to another program until a transaction is completed and resources to be set as unavailable resources until the stored JAVA program is terminated and registering information about said reserved resource in a resource managing table, said resource managing table ~~which is~~ corresponding to resources already reserved in execution of the query ~~processing in execution~~ having invoked the stored JAVA program; and

means for referring, in response to an input of a transaction completion request or issuance of a commit statement from the stored JAVA program, to a release resource managing table and the resource managing table to determine a reserved resource which is registered in the resource managing table and which is not registered in the release resource managing table as the resources set as unavailable resources until the transaction is completed; and

means operable with said referring and determining means, for releasing, the reserved resource having been determined by said referring step.

Claim 8 (canceled).

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9.   (currently amended)A computer-executable program, on a
storage medium, for implementing a database management method for
addressing to a commit request or a rollback request in a stored program
written in an interpreted language, when executed causes a computer to
perform the steps of:

reserving a resource at execution of a query from a stored program ~~of
the interpreted language~~ and registering information about said reserved
resource in a resource managing table, said resource managing table ~~which is~~
corresponding to resources already reserved in execution of the query
~~processing in execution~~ having invoked the stored JAVA program;

referring, at release of a transaction from the stored program, to a
release resource managing table and the resource managing table to
determine a reserved resource which is registered in the resource managing
table and which is not registered in the release resource managing table; and

releasing the reserved resource having been determined by said
referring step.

10.   (currently amended)A computer-executables program, on a
storage medium, for implementing a database management method in a
relational database system for addressing to a commit request or a rollback
request in a stored JAVA program, when executed causes a computer to
perform the steps of:

reserving a resource at execution of a query from a stored JAVA
program and registering information about said reserved resource in resource
managing table, said resource managing table ~~which is~~ corresponding to

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resources already reserved in <u>execution of</u> the query ~~processing in execution~~ having invoked the <u>stored JAVA</u> program;

referring, at release of a transaction from the stored JAVA program, to a release resource managing table and the resource managing table to determine a reserved resource which is registered in the resource managing table and which is not registered in the release resource managing table; and

releasing the reserved resource having been determined by said referring step.

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